

T. Haas

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/200,657

DATE: 11/03/1999  
TIME: 15:23:27

INPUT SET: S33835.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Hein, Mich B.  
6 Hiatt, Andrew C.  
7 Ma, Julian K.C.  
8  
9 (ii) TITLE OF INVENTION: TRANSGENIC PLANTS EXPRESSING ASSEMBLED  
10 SECRETORY ANTIBODIES  
11  
12 (iii) NUMBER OF SEQUENCES: 26  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
16 (B) STREET: 10666 North Torrey Pines Road, TPC-8  
17 (C) CITY: La Jolla  
18 (D) STATE: California  
19 (E) COUNTRY: US  
20 (F) ZIP: 92037  
21  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25  
27  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER: 09/200,657  
30 (B) FILING DATE:  
31 (C) CLASSIFICATION:  
32  
33 (vii) PRIOR APPLICATION DATA:  
34 (A) APPLICATION NUMBER: 08/642,406  
35 (B) FILING DATE:  
36  
37 (vii) PRIOR APPLICATION DATA:  
38 (A) APPLICATION NUMBER: US 07/427,765  
39 (B) FILING DATE: 27-OCT-1989  
40  
41 (viii) ATTORNEY/AGENT INFORMATION:  
42 (A) NAME: Logan, April C.  
43 (B) REGISTRATION NUMBER: 33,950  
44 (C) REFERENCE/DOCKET NUMBER: 184.2  
45  
46 (ix) TELECOMMUNICATION INFORMATION:

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47 (A) TELEPHONE: (619) 554-2937  
48 (B) TELEFAX: (619) 554-6312  
49  
50

51 (2) INFORMATION FOR SEQ ID NO:1:  
52

53 (i) SEQUENCE CHARACTERISTICS:  
54 (A) LENGTH: 18 base pairs  
55 (B) TYPE: nucleic acid  
56 (C) STRANDEDNESS: single  
57 (D) TOPOLOGY: linear  
58  
59 (ii) MOLECULE TYPE: DNA (genomic)  
60  
61 (iii) HYPOTHETICAL: NO  
62  
63 (iv) ANTI-SENSE: NO  
64  
65  
66

67 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
68

69 CCTTGACCGT AAGACATG  
70

18

71 (2) INFORMATION FOR SEQ ID NO:2:  
72

73 (i) SEQUENCE CHARACTERISTICS:  
74 (A) LENGTH: 22 base pairs  
75 (B) TYPE: nucleic acid  
76 (C) STRANDEDNESS: single  
77 (D) TOPOLOGY: linear  
78  
79 (ii) MOLECULE TYPE: DNA (genomic)  
80  
81 (iii) HYPOTHETICAL: NO  
82  
83 (iv) ANTI-SENSE: NO  
84  
85  
86

87 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
88

89 AATTCATGTC TTACGGTCAA GG  
90

22

91 (2) INFORMATION FOR SEQ ID NO:3:  
92

93 (i) SEQUENCE CHARACTERISTICS:  
94 (A) LENGTH: 33 base pairs  
95 (B) TYPE: nucleic acid  
96 (C) STRANDEDNESS: single  
97 (D) TOPOLOGY: linear  
98  
99 (ii) MOLECULE TYPE: DNA (genomic)

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100  
101 (iii) HYPOTHETICAL: NO  
102  
103 (iv) ANTI-SENSE: NO  
104  
105  
106  
107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
108  
109 TGTGAAAACC ATATTGAATT CCACCAATAC AAA 33  
110  
111 (2) INFORMATION FOR SEQ ID NO:4:  
112  
113 (i) SEQUENCE CHARACTERISTICS:  
114 (A) LENGTH: 45 base pairs  
115 (B) TYPE: nucleic acid  
116 (C) STRANDEDNESS: single  
117 (D) TOPOLOGY: linear  
118  
119 (ii) MOLECULE TYPE: DNA (genomic)  
120  
121 (iii) HYPOTHETICAL: NO  
122  
123 (iv) ANTI-SENSE: NO  
124  
125  
126  
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
128  
129 ATTTAGCACA ACATCCATGT CGACGAATTC AATCCAAAAA AGCAT 45  
130  
131 (2) INFORMATION FOR SEQ ID NO:5:  
132  
133 (i) SEQUENCE CHARACTERISTICS:  
134 (A) LENGTH: 42 base pairs  
135 (B) TYPE: nucleic acid  
136 (C) STRANDEDNESS: single  
137 (D) TOPOLOGY: linear  
138  
139 (ii) MOLECULE TYPE: DNA (genomic)  
140  
141 (iii) HYPOTHETICAL: NO  
142  
143 (iv) ANTI-SENSE: NO  
144  
145  
146  
147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
148  
149 GGGGAGCTGG TGGTGAATT CGTCGACCTT TGTCTCTAAC AC 42  
150  
151 (2) INFORMATION FOR SEQ ID NO:6:  
152

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153 (i) SEQUENCE CHARACTERISTICS:  
154 (A) LENGTH: 30 base pairs  
155 (B) TYPE: nucleic acid  
156 (C) STRANDEDNESS: single  
157 (D) TOPOLOGY: linear  
158  
159 (ii) MOLECULE TYPE: DNA (genomic)  
160  
161 (iii) HYPOTHETICAL: NO  
162  
163 (iv) ANTI-SENSE: NO  
164  
165  
166  
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
168  
169 CCATCCCATG GTTGAATTCA GTGTCGTCAG 30  
170  
171 (2) INFORMATION FOR SEQ ID NO:7:  
172  
173 (i) SEQUENCE CHARACTERISTICS:  
174 (A) LENGTH: 45 base pairs  
175 (B) TYPE: nucleic acid  
176 (C) STRANDEDNESS: single  
177 (D) TOPOLOGY: linear  
178  
179 (ii) MOLECULE TYPE: DNA (genomic)  
180  
181 (iii) HYPOTHETICAL: NO  
182  
183 (iv) ANTI-SENSE: NO  
184  
185  
186  
187 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
188  
189 CTGCAACTGG ACCTGCATGT CGACGAATTC AGCTCCTGAC AGGAG 45  
190  
191 (2) INFORMATION FOR SEQ ID NO:8:  
192  
193 (i) SEQUENCE CHARACTERISTICS:  
194 (A) LENGTH: 42 base pairs  
195 (B) TYPE: nucleic acid  
196 (C) STRANDEDNESS: single  
197 (D) TOPOLOGY: linear  
198  
199 (ii) MOLECULE TYPE: DNA (genomic)  
200  
201 (iii) HYPOTHETICAL: NO  
202  
203 (iv) ANTI-SENSE: NO  
204  
205

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206  
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
208  
209 CCTGTAGGAC CAGAGGAATT CGTCGACACT GGGATTATTT AC 42  
210  
211 (2) INFORMATION FOR SEQ ID NO:9:  
212  
213 (i) SEQUENCE CHARACTERISTICS:  
214 (A) LENGTH: 75 base pairs  
215 (B) TYPE: nucleic acid  
216 (C) STRANDEDNESS: single  
217 (D) TOPOLOGY: linear  
218  
219 (ii) MOLECULE TYPE: DNA (genomic)  
220  
221 (iii) HYPOTHETICAL: NO  
222  
223 (iv) ANTI-SENSE: NO  
224  
225  
226  
227 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
228  
229 GAATTCATTC AAGAATAGTT CAAACAAGAA GATTACAAAC TATCAATTTC ATACACAATA 60  
230  
231 TAAACGATTA AAAGA 75  
232  
233 (2) INFORMATION FOR SEQ ID NO:10:  
234  
235 (i) SEQUENCE CHARACTERISTICS:  
236 (A) LENGTH: 90 amino acids  
237 (B) TYPE: amino acid  
238 (D) TOPOLOGY: linear  
239  
240 (ii) MOLECULE TYPE: peptide  
241  
242 (v) FRAGMENT TYPE: N-terminal  
243  
244  
245  
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
247  
248 Met Arg Phe Pro Ser Ile Phe Thr Ala Val Leu Phe Ala Ala Ser Ser  
249 1 5 10 15  
250  
251 Ala Leu Ala Ala Pro Val Asn Thr Thr Glu Asp Glu Thr Ala Gln  
252 20 25 30  
253  
254 Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe  
255 35 40 45  
256  
257 Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu  
258 50 55 60

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/200,657**

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Error

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**SEQUENCE MISSING ITEM REPORT**  
**PATENT APPLICATION US/09/200,657**

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*INPUT SET: S33835.raw*

< < THERE ARE NO ITEMS MISSING > >

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**SEQUENCE CORRECTION REPORT**  
**PATENT APPLICATION US/09/200,657**

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Original Text

Corrected Text